

EE IMPDET; CL BY [REDACTED]

MEMORANDUM FOR: THE RECORD

SUBJECT: MKULTRA Subproject No. 56

1. The purpose of this project is to provide funds to continue the research program conducted by [REDACTED] at Stanford University School of Medicine. This program is designed to exploit all the knowledge and facilities available to its director in providing answers to specific questions of direct interest to the Agency in the area of alcohol intoxication. In addition, those areas of basic knowledge required to provide these practical answers will be developed. It should be noted that although the attached proposal describes the facilities which will be used in the study, the program itself was deliberately described in general terms in order to comply with its unclassified status.

2. Attached is the research proposal submitted by [REDACTED] requesting a renewal of the project for another year. According to his interim progress report, considerable progress has been accomplished; in a relatively short period of time, to wit: additional laboratory facilities have been equipped and placed into functional state, additional personnel have been recruited and specially trained, and substantive research completed to date and now in progress.

3. In view of the above, it is desired to describe more specifically the various phases of the general program to be initiated or continued as an extension of research activities now in progress.

- (a) Expedite the removal of alcohol from the blood stream by selective metabolic pathways that will allow the alcohol to be stored rather than completely metabolized. Studies will be conducted on a number of agents claimed to expedite alcohol metabolism (alanine, pyruvate, fructose, alcohol dehydrogenase).
- (b) Determine the effectiveness of foodstuffs in delaying the absorption of alcohol from the gastrointestinal tract. Investigations will be conducted on the effects of various fats on the absorption rate of alcohol. The effects of gastric mucin, kaolin and wine buffers will also be determined.
- (c) Determine the effectiveness of sympathomimetic drugs in

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delaying the absorption of alcohol from the gastrointestinal tract. The effectiveness of various sympathomimetic drugs on the emptying time of the stomach will be investigated on larger animals. (Amphetamine, Nalline, Bonamine)

3. The funds for this project will be transferred using the [REDACTED] as cutout in the usual manner.

4. Costs for this program for a period of one year beginning August 31, 1957 are estimated to be \$39,330.00 to which must be added a four percent (4%) fee to the Geschickter Fund (\$1,573.20), making the total amount \$40,903.20. Charges should be made against Allotment 7-2502-10-001.

5. [REDACTED] has requested Stanford University School of Medicine to submit to them a summary accounting on an annual basis of all monies received from [REDACTED]. Also, it has been requested that any unexpended funds be returned at the close of the grant year.

6. The requirement for a six months' informal accounting on the part of the principal investigator is waived.

7. Title to any permanent equipment purchased by [REDACTED] shall be retained by the University in lieu of higher overhead rates.

8. In connection with travel under this project, it is agreed that the Agency will accept the travel documentation and accounting which conform with the practices of the University.

9. It is agreed that technical reports reflecting the progress of the research program shall be submitted at mutually acceptable intervals.

10. [REDACTED] cleared through TOP SECRET and is aware of the true purposes of the program. He has also agreed to

~~TOP SECRET~~

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comply with the requirements of the Memorandum of Agreement.

[REDACTED] A
Chief, Branch II
TSS/Chemical Division

APPROVED FOR OBLIGATION
OF FUNDS:

Approved:

[REDACTED] A
Research Director

Chief, TSS/Chemical Division

Date: 6/1/77

Attached:
Research proposal

Distribution:
Original only

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date: June 1977
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